

Colorado Department of Transportation
Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 025A 1

Mile Post (ON)11: 155.716 mi

Bridge Key: H-17-AL Inspection Date: 12/15/2010 Sufficiency Rating: 80.9 Not Eligible

Rgn/Sectn 2E/2M:	24	Hist Signif 37:	5	UW Inspection Date 93B:	
Trans Region 2T:	01	Posting status 41:	A	SI Date 93C:	
County Code 3:	041	Service on/un 42A/B:	1 5	Bridge Cost 94:	\$ 0
EL PASO		Main Mat/Desgn 43A/B:	1 19	Roadway Cost 95:	\$ 0
Place Code 4:	00000	Appr Mat/Desgn 44A/B:	0 0	Total Cost 96:	\$ 0
non-city		Main Spans Unit 45:	2	Year of Cost Estimate 97:	
Rte.(On/Under)5A:	1	Approach Spans 46:	0	Brdr Brdg Code/% 98A/B:	
Signing Prefix 5B:	1	Horiz Clr 47:	60.0 ft	Border Bridge Number 99:	
Level of Service 5C:	1	Max Span 48:	10.0 ft	Defense Highway 100:	1
Directional Suffix 5E:	0	Str Length 49:	21.0 ft	Parallel Structure 101:	L
Feature Intersected 6:		Curb Wdth L/R 50A/B:	0.0 ft 0.0 ft	Direction of Traffic 102:	1
SMITH CREEK		Width Curb to Curb 51:	0.0 ft	Temporary Structure 103:	
Facility Carried 7:		Width Out to Out 52:	130.0 ft	Highway System 104:	1
25 ML SBND		Deck Area:	2,734. sq. ft	Fed Lands Hiway 105:	0
Alias Str No.8A:		Min Clr Ovr Brdg 53:	99.99	Year Reconstructed 106:	0000
		Min Undrclr Ref 54A:	N	Deck Type 107:	N
Prll Str No. 8P:		Min Undrclr 54B:	0.0 ft	Wearing Surface 108A:	N
H-17-H		Min Lat Clrnce Ref R 55A:	N	Membrane 108B:	N
Location 9:		Min Lat Undrclr R 55B:	0.0 ft	Deck Protection 108C:	N
5.1 MI S OF JCT SH 105 ML		Min Lat Undrclr L 56:	0	Truck ADT 109:	12 %
Max Clr 10:	99.99	Deck 58:	N	Trk Net 110:	1
BaseHiway Net12:	1	Super 59:	N	Pier Protection 111:	#
IrsinvRout 13A:	000000025A	Sub 60:	N	NBIS Length 112:	Y
IrsSubRout No13B:	00	Channel/Protection 61:	7	Scour Critical 113:	8
Latitude 16:	39d 01' 24"	Culvert 62:	7	Scour Watch 113M:	0
Longitude 17:	104d 50' 00"	Optprtng Rtg Method 63:	5 No rating	Future ADT 114:	56,021
Range18A:	67 W	Operating Rating 64:	36.0	Year of Future ADT 115:	2027
Township18B:	67	Inv Rtgng Method 65:	5	CDOT Str Type 120A:	CBC
Section18C:	12	Inventory Rating 66:	36.0	CDOT Constr Type 120B:	0.
Detour Length 19:	0.6 mi	Asph/Fill Thick 66T:	177 "in"	Inspection Indic 122A:	
Toll Facility 20:	3	Str. Evaluation 67:	7	Inspection Trip 122AA:	
Custodian 21:	1	Deck Geometry 68:	N	Scheduling Status 122B:	
Owner 22:	1	Undrclr Vert/Hor 69:	N	Maintenance Patrol 123:	8
Functional Class 26:	11	Posting 70:	5	Expansion Dev/Type124:	O
Year Built 27:	1953	Waterway Adequacy 7:	8	Brdg Rail Type/Mod 125A/B:	FB 4
Lanes on 28A:	3	Approach Alignment 72:	8	Posting Trucks 129A/B/C:	0 0 0
Lanes Under 28B:	0	Type of Work 75A:		Str Rating Date 130:	1/1/1901
ADT 29:	37,100	Work Done By 75B:		Special Equip 133:	-1
Year of ADT 30:	2007	Length of Improvment 76:	0.0 ft	Vert Clr N/E 134A/B/C:	X 99.99 0.00
Design Load 31:	5	Insp Team Indicator 90B:	RED TEAM	Vert Clr S/W 135A/B/C:	X 99.99 0.00
Apr Rdwy Width 32:	60.0 ft	Inspector Name 90C:	TERRYJ	Vertical Clr Date:	1/1/1901
Median 33:	1	Frequency 91:	24 months	Weight Limit Color: 139:	0
Skew 34:	0.00 °	FC Frequency 92A:	-1	Str Billing Type:	U
Structure Flared 35:	0	UW Frequency 92B:	-1	Userkey 1 - System:	ONSYS
Sfty Rail 36a/b/c/d:	1 1 1 1	SI Frequency 92C:	-1	Userkey 7-Update Indic:	
Rail ht36h:	27 "in"	FC Inspection Date 93A:			

Inspector Name: TERRYJ

Colorado Department of Transportation
Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 025A 1

Mile Post (ON)11: **155.716 mi**

Element Inspection Report

Elem/En	Description	Units	Total Qty	% in 1	CS 1	% in 2	CS 2	% in 3	CS 3	% in 4	CS 4	% in 5	CS 5
241/1	Concrete Culvert	(LF)	260	97 %	251	2 %	6	1 %	3	0 %	0	0 %	0
327/1	Culvert Wingwalls	(EA)	4	50 %	2	50 %	2	0 %	0	0 %	0	0 %	0
335/1	Culvert Headwalls	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
501/1	Channel Cond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
504/1	BankCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
241/1	Concrete Culvert	<p>Typical light vertical cracks in walls. Few chips at both ends of divider wall. Few light longit. cracks with efflor. in top slab, couple with rust stains.</p> <p>Cell #1 cracked and patched at left construction joint: wall #1 at left constr joint is open 1/4 inch at bottom, wall #2 has been patched, bottom slab is open 3/4 inch.</p> <p>Cell #2 minor spalls at inlet end of bottom slab. Some gouges at the inlet end of Wall #3.</p>
327/1	Culvert Wingwalls	<p>Joints at #1 left, and both wings on the right, are open slightly, and also wings are pushed slightly. Minor spall/delam crack, up to 1/2 inch wide x 2 feet long, along joint at bottom of #1 right.</p> <p>Few minor gouges/spalls at joint of #3 right.</p>
335/1	Culvert Headwalls	<p>Top slab is spalled at right end of Cell #2 below headwall. Small spall right side.</p> <p>Washing from above headwall is sloughing down at outlet of Cell #2.</p>
501/1	Channel Cond	<p>Smith Creek. Marshy. Good alignment with some cattails growing in channel. Meandering flow downstream. Large trees just upstream and downstream.</p> <p>Up to 8 inches of scour at inlet of Cell #1, and a few inches of scour at inlet of Cell #2.</p> <p>Fill from headwall at outlet is sloughing down into channel at outlet end of Cell #2 and is up to 2 feet high (see 12/10 photo). Aggregation from inlet is up to 8 inches on left half of cell #2.</p>
504/1	BankCond	Gentle grassy slopes. Lots of dead branches.

Maintenance Activity Summary

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
360.03	App SI & S	12/15/2010	___	2012	2000

Place fill along left slope above culvert that is washing into channel. Redirect deck runoff with beaver slide to prevent washing of left slope (see 12/10 photo).

Colorado Department of Transportation
Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 025A 1

Mile Post (ON)11: 155.716 mi

Bridge Notes

One erosion trough forming in fill above culvert on Lt. side. Wooden posts were replaced by steel posts since the last inspection.

Moderate washing to left forward and left rear side (see 12/10 photo).

Inspection Notes

Temperature: 62 F
Time: 11:40-12:15
Weather: windy, sunny
Team leader: TAT

Scope:

NBI: Element: Underwater: Fracture Critical: Other: Type: Regular NBI

Inspector: TERRYJ _____

Inspection Team:

Inspection Date: 12/15/2010 _____

Inspector

Inspector